

Nov. 25, 1924.

1,516,995

A. F. TRIGUEIRO

SASH LOCK

Filed May 16, 1923

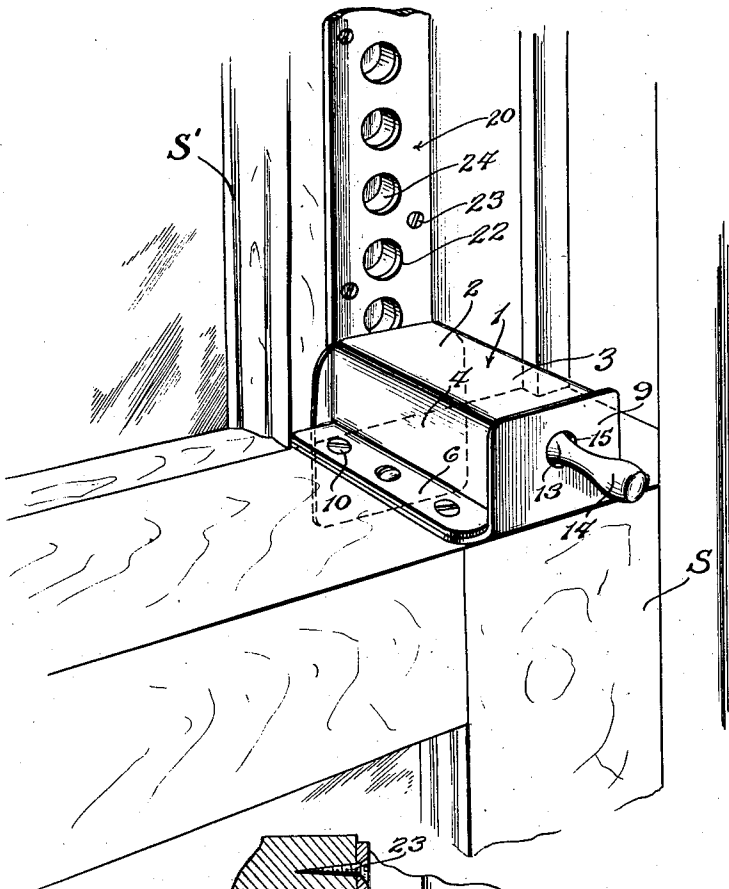


Fig. 1.

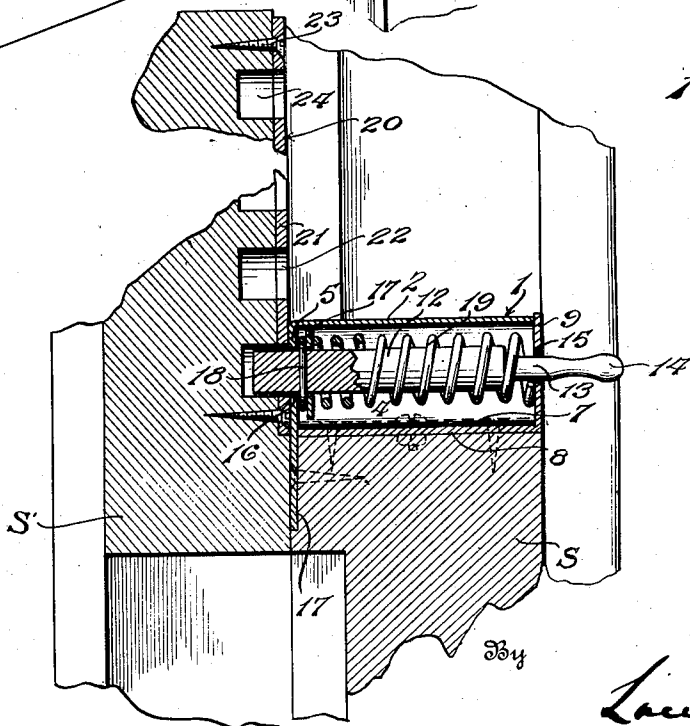


Fig. 2.

Inventor

A. F. Trigueiro

By

Law, & Law, Attorneys

UNITED STATES PATENT OFFICE.

ANTONE F. TRIGUEIRO, OF ORCUTT, CALIFORNIA.

SASH LOCK.

Application filed May 16, 1923. Serial No. 639,398.

To all whom it may concern:

Be it known that I, ANTONIO F. TRIGUEIRO, a citizen of the United States, residing at Orcutt, in the county of Santa Barbara and State of California, have invented certain new and useful Improvements in Sash Locks, of which the following is a specification.

This invention relates to improvements in sash locks and has as its object to provide a device of this class which may be readily applied by any one to the sashes of a window and which will serve to lock the sashes in such a manner as to prevent the lower sash being raised or the upper sash lowered by any one, from the exterior of the building, although one within the building may readily adjust the sashes.

Another object of the invention is to so construct the device that it will be inexpensive to manufacture, simple in construction, and very durable.

In the accompanying drawing:

Figure 1 is a perspective drawing of the sash lock embodying the invention;

Figure 2 is a vertical front to rear sectional view through the lock.

The device embodying the invention comprises a lock proper and a keeper member, and the lock embodies a casing which is indicated in general by the numeral 1 and comprises a cover section 2 having a top 3 and depending sides 4, the said section also having a depending rear end wall 5 and being provided at the lower edges of its side walls 4 with outstanding horizontal flanges 6. The casing further includes a bottom section 7 comprising a bottom plate 8 having an upstanding forward end 9 constituting the forward end wall of the casing 1, being arranged to close the forward end of the cover section of the casing when the sections are assembled. Securing screws or the like, indicated by the numeral 10 may be fitted through registering openings in the flanges 6 and marginal portions of the bottom plate 8 and driven into the upper rail of the lower sash of the window, which sash is indicated by the reference letter S. The end wall 5 of the cover section 2 extends below the plane of the bottom plate 8 and is preferably seated in a countersink 11 formed in the forward face of the said lower sash S. The locking bolt of the device is indicated by the numeral 12 and this bolt is provided at its rear end with a re-

duced stem 13 terminating in a finger knob 14, this reduced portion of the shank of the bolt extending through an opening 15 formed in the upstanding end wall 9 of the casing. The opposite end of the bolt projects through an opening 16 formed in the depending end wall 5 of the casing, and a collar or washer 17 is fitted on to the shank of the bolt near its last mentioned projecting end and is restrained against longitudinal displacement in one direction by means of a cotter pin 18 or other suitable equivalent means. A spring 19 of the compression type is fitted on to the shank of the bolt and bears at one end against the collar or washer 17 and at its other end against the end wall 9 of the casing, and this spring normally holds the forward end of the bolt projected through the opening 16 so that it may engage the member as will now be explained, it being understood that by grasping the finger piece 14, the bolt 12 may be retracted against the tension of the said spring 19.

The keeper member of the device is indicated in general by the numeral 20 and this member comprises a bar or strip 21 of metal which is formed at intervals in its length with openings 22, the openings being arranged in a longitudinal series and being of a diameter to accommodate the projecting forward end of the latch bolt 12. The strip 21 is secured by screws or other fastening elements 23 to the inner face of one stile of the upper sash of the window which sash is indicated by the reference character S'. If desired the stile of the upper sash may be formed with sockets 24 registering with the openings 22 in the keeper plate or strip 21 thereby insuring of a more firm seating of the locking bolt in the opening in the keeper.

From the foregoing description of the invention it will be seen that when the latch bolt 12 is engaged in one or another of the openings 22 of the keeper, the two sashes of the window will be locked against relative movement so that the lower sash cannot be raised nor can the upper sash be lowered except upon retraction of the bolt against the tension of the spring 19 whereupon such adjustment of the sashes as may be desired, may be readily obtained. It will also be observed from the drawings that the two sections of the casing are longitudinally replaceable so that in assembling the parts

of the lock proper, the bolt with the spring 19 thereon may be fitted into place with its locking end engaging in the opening 16, whereupon the casing section 7 may be slid to position fitting with the casing section 2 and with the finger knob 14 of the locking bolt projecting through the opening 15, the spring 19 being at such time suitably compressed, and the engagement of the screws 10 through the opening in the casing sections serving to not only maintain the sections in their proper assembled relation but also to secure the lock proper as a whole to the lower sash of the window.

Having thus described the invention, what is claimed as new is:

1. A sash lock comprising a casing having end walls oppositely located and provided each with an opening, a locking bolt disposed within the casing and having a locking end engaging through the opening in one end wall of the casing and a finger piece engaging through the opening in the other end wall of the casing, an abutment element upon the locking bolt within the casing, and a compression spring surrounding the locking bolt and seating at one end against the abutment element and at its other end against the last mentioned wall of the casing, the said casing comprising cover and bottom sections, the first mentioned end wall of the casing constituting a part of one of said sections, and the other end wall of the casing constituting a part of the other section of the

casing, the said sections being longitudinally displaceable and separable and provided with overlapping portions having openings for the passage of securing elements.

2. A sash lock comprising a casing having end walls oppositely located and provided each with an opening, a locking bolt disposed within the casing and having a locking end engaging through the opening in one end wall of the casing and a finger piece engaging through the opening in the other end wall of the casing, an abutment element upon the locking bolt within the casing, a compression spring surrounding the locking bolt and seating at one end against the abutment element and at its other end against the last mentioned wall of the casing, the said casing comprising cover and bottom sections, the first mentioned end wall of the casing constituting a part of one of said sections, an extension from the said first mentioned end wall of the casing projecting downwardly therefrom below the plane of the bottom section, and the other end wall of the casing constituting a part of the other section of the casing, the said sections being longitudinally displaceable and separable and provided with overlapping portions having openings for the passage of securing elements, the said downward extension of the first mentioned end wall of the casing having an opening for the passage of a securing element.

In testimony whereof I affix my signature.
ANTONE F. TRIGUEIRO. [L. s.]